

Title (en)

METALLIC COMPOSITE COMPONENT, IN PARTICULAR FOR AN ELECTROMAGNETIC VALVE

Title (de)

METALLISCHES VERBUNDBAUDETIL, INSbesondere FÜR EIN ELEKTROMAGNETISCHES VENTIL

Title (fr)

ÉLÉMENT COMPOSITE MÉTALLIQUE, EN PARTICULIER POUR UNE VANNE ÉLECTROMAGNÉTIQUE

Publication

EP 2313896 B1 20120509 (DE)

Application

EP 09780754 A 20090717

Priority

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Abstract (en)

[origin: US2011186769A1] A composite component includes at least two sections having different magnetization, the at least two sections in the integrally formed component lying directly next to each other. The base material of the composite component is a semi-austenitic steel. A first section has a higher saturation polarization J_s than an adjacent second section, the second section having a minimum saturation polarization J_s of 0.1 T to 1.3 T and/or a maximum relative permeability μ_r of 2 to 150. The composite component is suitable for use in electromagnetic valves, e.g., in fuel injectors of internal combustion engines.

IPC 8 full level

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CPC (source: EP US)

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